



Feature of your product

Always provide powerful elimination performance

2/4 Samsung SPI device has been applied on the left/right side of the product for quick and powerful elimination performance.

Luxurious design to blend in with interior design

Simple and luxurious style will allow the product to blend in with the interior whether it is installed on the wall or on the ceiling.

Mechanism of ion generation

Micro plasma discharger generates hydrogen and oxygen ion (O_2^-)

- Ceramic electrode (+ electrode): Micro plasma discharger splits water molecules in the air and forms positively charged hydrogen atoms (H^+).
- Pin electrode (- electrode): High-voltage electric discharger emits electrons (e) which react with H^+ and O_2 together from Hydroperoxyl radicals (HOO^+).

Perfect elimination of biological contaminant

SPI eliminates biological contaminants (such as bacteria, viruses, molds etc.) more effectively in airtight area.

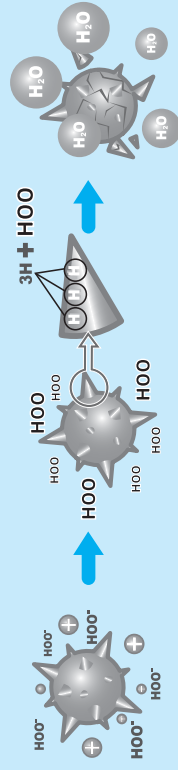
Anti allergen

SPI eliminates harmful allergens (such as dust mites, dusts, dog and cat hair) which can cause rhinitis, asthma or other allergic symptoms.

Excellent air purifying technology

Active hydrogen (H) and oxygen ion (O_2^-) reacts together to form hydroperoxyl radicals which the positively charged biological contaminants then reacts with three hydrogen elements of its protein structure before forming water vapor. Also, it will combine with OH-radical to form a water vapor and neutralize harmful OH-radical.

Virus elimination mechanism



Contents

Mechanism of ion generation

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Basic operation

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Recommended instructions or useful information for use.



Safety Information

Please read and follow the instructions in this manual for safety of user and to prevent any possible damage or loss of property.

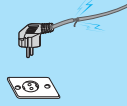
⚠ WARNING Hazards or unsafe practices that may result in severe personal injury or death.

⚡ CAUTION Hazards or unsafe practices that may result in minor personal injury or property damage.

Power supply

⚡ Never use a damaged power plug or loosened power receptacle.

- Potential risk of fire or electric shock



⚡ Connect the power plug to a grounded receptacle.

- Potential risk of fire or electric shock.



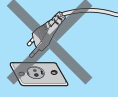
⚡ Do not yank the power cable and touch the power plug with wet hands.

- Potential risk of fire or electric shock.

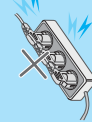


⚡ Use the authorized power cable only.

- Potential risk of fire or electric shock.



⚡ Do not use the multi outlet.



⚡ Do not bend the power cable excessively or place heavy object on the power cable.

- Potential risk of fire or electric shock.



⚡ If the air product is not going to be used for an extended period of time, unplug the power from the wall.

- You can save energy and prevent fire.



⚡ Do not unplug the power cable to turn off the power.

- There is potential risk of product damage or electric shock. Use the power button to turn off the power.



⚡ Follow the direction carefully.

⚡ Do not attempt.

⚡ Make sure the machine is grounded to prevent electric shock.

⚡ Unplug the power plug from the wall socket.

⚡ Do not disassemble.

Power supply

⚡ Do not place the product near hazardous substances or equipment that release free flames to avoid fire, explosions or injuries.

- Potential risk of explosion or fire.



⚡ Install the product away from direct exposure to sunlight, heating appliance and humid places.

- There are potential risk of electric shock and performance decrease.



Installing

⚡ Do not install the product in uneven or sloped surface.

- If the product falls, it can be damaged or perform abnormally.



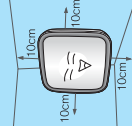
⚡ Do not install the product in a place with oil fume or metallic dust.

- Potential risk of fire or product damage.



⚡ Make sure to clear at least 10cm around the product.

- If you can clear space around the product, it may cause performance decrease.



⚡ Do not install the product near heating appliance such as stove.

- Potential risk of fire.



Safety Information (Cont'd)

Operating

WARNING

- Do not apply a shock or pull the appliance with excessive power.
 - This may result in fire, injury or a problem with the product.



- If the appliance is flooded, contact nearest service center.
 - Potential risk of fire or electric shock.

- If the product generates a strange noise, a burning smell, or smoke is emitted, unplug the power plug immediately and contact service center.
 - Potential risk of fire or electric shock.



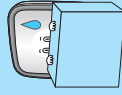
- Do not insert fingers or foreign substances into the ion outlet.
 - Potential risk of product damage or electric shock.



- Do not attempt to repair, disassemble, or modify the appliance yourself.
 - Potential risk of product damage, electric shock or fire. Contact service center when repair is needed.



- Make sure there is no obstacle near air inlet or the ion outlet.
 - It may cause product damage or performance decrease.



Operating

CAUTION

- If the power cable or the plug is damaged, the manufacturer or a qualified service technician must replace it.

- Make sure children does not touch or use the product.
 - If the product falls, they may get injured.



Operating

CAUTION

- Do not touch the ion outlet while product is operating.
 - Potential risk of product damage or electric shock.



- Ensure no water gets into the product.
 - Potential risk or electric shock.
 - If the water gets into the product, stop the operation and unplug the power cable.



- Do not use the supplied power cable with any other products.
 - Potential risk of product damage or electric shock.



- Do not spray inflammable gases such as insecticide near the product.
 - Potential risk of electric shock, fire or unit malfunction.



Cleaning

WARNING

- Unplug the power before cleaning the product.
 - Potential risk of personal injury or electric shock.



- Unplug the power before changing the air filter.



Cleaning

CAUTION

- Do not spray water directly on the product or use benzene, thinner or alcohol to clean the product.
 - Potential risk of fire or electric shock.
 - It may damage the surface of the product.



- Clean the dusts on the power plug pins.

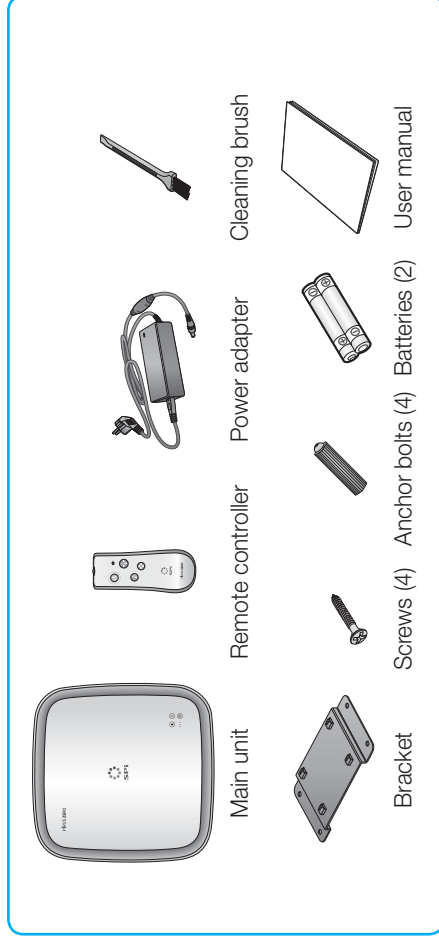


- Potential risk of fire or electric shock.



Checking the components

Your product may look slightly different from the real product.



* Make sure to check the components in the box before using the product.

* To purchase additional adapter, contact service center or Where to buy.

Inserting the batteries

1 Open the battery cover.

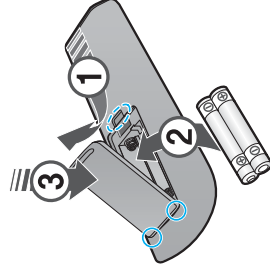
Press the part with the dotted circle on the illustration and lift it up.

2 Insert the batteries.

Make sure to check the (+), (-) side.

3 Close the battery cover.

Match the bottom of the battery cover with the bottom of the remote controller and press it down until you hear the click sound.



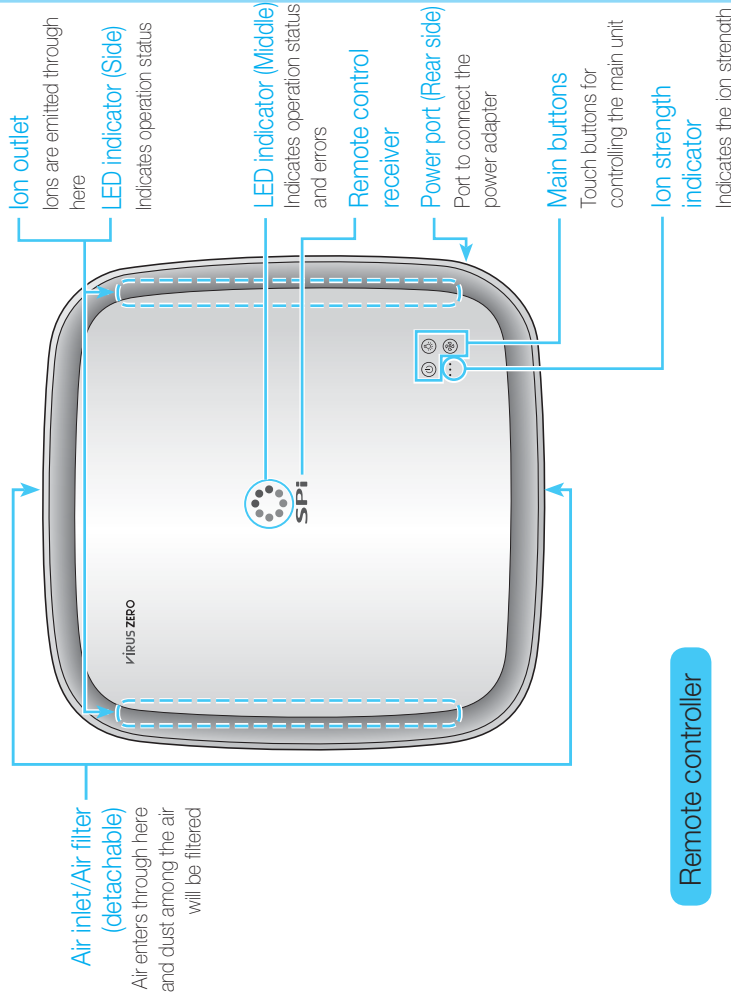
- When using the remote controller, make sure to point it towards the remote control receiver and press the button.
- There is a possibility that the air conditioner will not operate by remote controller near strong light such as a fluorescent lamp or neon sign. In this case, use the remote controller in front of the remote controller receiver of the indoor unit.
- If any other electronic products operate with the remote controller, please contact the service center.



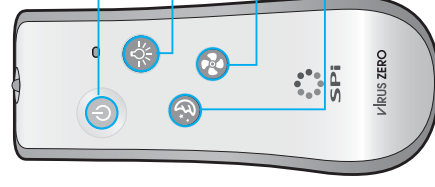
Checking the parts

Check the name of the parts and the function of the buttons.

Main unit



Remote controller



| Description of the buttons on the main unit and the remote controller | |
|---|--|
| | Power button Turn on/off the power |
| | LED indicator button Turn on/off the LED indicator |
| | Ion strength adjustment button Adjust the ion strength |
| | Sleep mode button (only on remote controller) Set the ion strength and LED indicator for comfortable sleep |



Installing the product

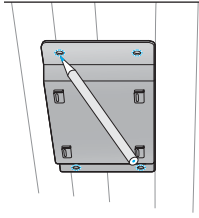
Wear protective equipment (gloves, goggles etc.) when installing the product.

Installing on the ceiling/wall

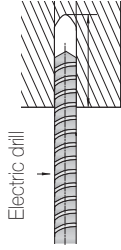
(Required tools: Level ruler, pen or pencil, electric drill, hammer, driver)

- 1 On the place where the product will be installed, put the bracket and mark the holes (4) with the pen.

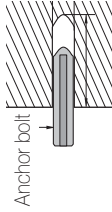
When you install the product on the wall, use the level ruler to make sure product is leveled.



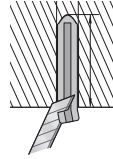
- 2 Use electric drill to make a hole (6.5~7.0Ø) on the marked spot.



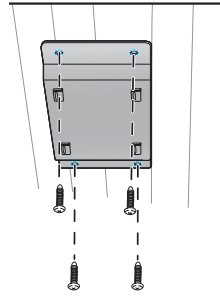
- 3 When the hole is made, insert the anchor bolt on the hole and hit it with hammer to make sure it is inserted all the way in.



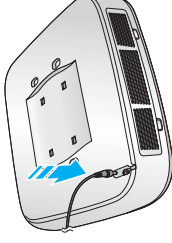
- 4 Use a knife to cut off the anchor bolt that sticks out of the wall.



- 5 Match the holes with the holes (with the anchor bolt) and fix it with the screws.

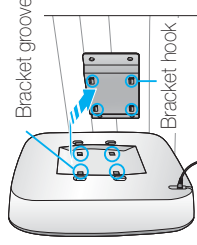


- 6 Connect the power adapter to the power port.

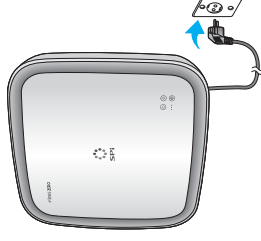


- 7 Match the bracket hooks to the bracket grooves on the rear side of the product and push the product down until you hear the click sound. Make sure that it is fixed securely.

To disassemble, gently press the product towards the wall and lift it up.



- 8 Arrange the power cable according to the power socket on the wall and plug the power.



CAUTION

- When you select the installation location for the product, make sure that the place is convenient to disassemble the product for cleaning or repairs.
- Check the structure of the wall or the ceiling where the product will be installed. Make sure they are strong enough to hold the weight of the product. If you install the product on the weak structure such as plaster board or veneer, product may fall.
- When you install the product on the wall, make sure it is in level, and there is no vibration.
- Use supplied power adapter as a power source. If you use other power source with different rated voltage, it may cause product malfunction or fire.

NOTE

In the place with low humidity (below 20%), performance of the product may decrease.



Operating the product

Check the operating instructions using remote controller or main buttons.



Turning on/off the power

Turning on the power

Press the [] button on the main unit or on the remote controller to begin the operation.

- With ringing sound and quick rotation (repeated afterwards) of LED indicator in the middle will indicate that operation is on.
- Initial ion strength is set to 'Low'.

Turning off the power


Press the [] button on the main unit or on the remote controller while the product is on.

With ringing sound, lights of the LED indicator and the button will turn off.



- When the power is on, [] and [] button on the main unit will turn on for 5 seconds and turn off automatically but LED indicator and [] button will stay on.
- When the power is off, all the setting will be reset regardless of the previous setting.


Turning on/off the LED indicator


Press the [] button on the main unit or on the remote controller while the product is on.


Each time you press the [] button, ring will sound and LED indicator will turn on or off.



Sleep mode

Press the [] button on the main unit or on the remote controller to turn on sleep mode.


To turn on the sleep mode by using the main button, press the [] button repeatedly until ion strength indicator. (Refer to adjusting the ion strength)

- When you use the remote controller, ring will sound and sleep mode will turn on/off each time you press the [] button.
- When you use the main buttons, ring will sound and ion strength will change repeatedly.
- When the sleep mode is on, all the lights on LED indicator and buttons will turn off except for the power button.



Adjusting the ion strength

Press the [] button on the main unit or on the remote controller to adjust the ion strength

- When the [] button on the remote controller is pressed, ring will sound and (High) > (Turbo) > (Low) ion strength will be selected repeatedly and when main buttons are used, (High) > (Turbo) > (Sleep) > (Low) ion strength will be selected repeatedly.
- During the operation, you can check the current ion strength from the ion strength indicator.

| Status of ion strength indicator | Ion strength | | |
|----------------------------------|--------------|---|------------|
| ● ● ● | ● | ● | Low |
| ● ● ● | ● | ● | High |
| ● ● ● | ● | ● | Turbo |
| ● ● ● | ● | ● | Sleep mode |



- Main buttons can be controlled by gentle touch of the skin. When excessive force is applied, sensor can get damaged and cause product malfunction. Also, product may not operate properly when it is used at the place with high humidity or product is controlled with wet hands.
- Pressing main buttons too hard or pressing the multiple buttons at once may cause product malfunction.





Cleaning the product

Turn off the power and unplug the adapter before cleaning the product.

Cleaning the exterior

Wipe the surface of the product with a slightly wet or dry cloth when needed.

Use the cleaning brush to clean the dust or other foreign substances on the ion outlet.

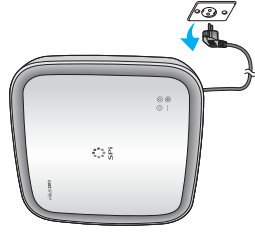


Do not spray water directly on the product or use alkaline detergent, sulfuric acid, hydrochloric acid or organic solvent (thinner, kerosene, acetone etc.) to clean the product. They may damage the surface of the product or cause fire and electric shock.



Cleaning the air filter

1 Unplug the power from the wall socket.



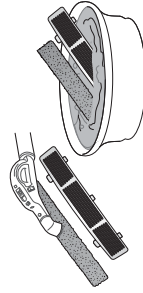
2 Remove the filter cover on the top and bottom of the product and remove the air filters.

You can remove the filter cover by pressing the hooks (dotted circle part) and pull it in the direction of the arrow as shown in the illustration.



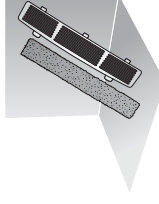
3 Remove the dust on the filter cover and the air filter with vacuum cleaner (or dust remover) or cleaning brush.

If the accumulated dust is heavy, you may clean the filter cover and the air filters in the water with detergent for 30 minutes. However, scrubbing them with brush may damage them.



4 Dry the filter cover and the air filter completely in the shade.

If the filter covers and the air filters are dried in the place with direct sunlight, they may deform.



5 Reassemble the air filter and the filter cover.

After inserting the air filter, match the bottom part of the filter cover to the groove on the main unit and push the filter cover until you hear the click sound.



6 Plug the power to the wall socket.

Before using the product, make sure that the main unit is securely fixed on the bracket to prevent the product from vibrating or falling off.



When cleaning the air filter of the product installed on the wall or ceiling, unplug the power before removing the air filter. If you remove the air filter while the product is operating, you may get electric shock or injured.



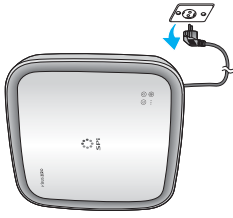
Clean the air filter every two months.
However, cleaning term may differ on usage and environmental condition and therefore clean it more often in dusty area. Accumulated dusts may decrease the product performance.



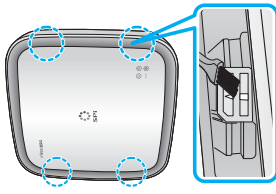
Cleaning the product (Cont'd)

Cleaning the pin discharger

1 Unplug the power from the wall socket.



2 Use the cleaning brush to clean the tip of the pin discharger on the left/right side (2/4) of the product.



3 Plug the power to the wall socket.

Before using the product, make sure that the main unit is securely fixed on the bracket to prevent the product from vibrating or falling off.



Pin discharger is very fragile. To prevent the pin discharger from bending or breaking, do not apply too much force when cleaning. It may cause product malfunction.



Clean the pin discharger every 2 weeks. However, cleaning term may differ on usage and environmental condition and therefore clean it more often in dusty area. Accumulated dusts may decrease the product performance.



Troubleshooting

Check the following list before reporting the problem.

| Problem | Check | Solution |
|--|--|---|
| Product is not operating. | Check if there is power failure. | Make sure that the power is on before trying again. |
| | Check if the power plug is properly connected | Connect the power plug properly and try again. |
| | Check if the adapter is working properly. | Try another power receptacle |
| Product is not operating normally. | Did you hear the alert sound in 2 seconds interval for 5 times or see LED indicator in the middle blinking 10 times? (Every hour) | It can be fan motor or SPI malfunction. Turn off the power and turn it on again. If there is no change in alert status, contact the service center. |
| Not sure if the product is operating. | Is it operating in sleep mode? | In sleep mode, all the lights (LED indicator, buttons), except power button, will turn off. Check if the power button is on. |
| Strange odors permeate in the room during operation. | Check if you are using the product in a place with smoke or other odor. | It can be less effective when the product is being used in a place with excessive odor or smoke. Ventilate the area before using the product. |
| | Check if there is dust or foreign substances on the ion outlet. | Clean the ion outlet and operate the product. |
| There is no air coming out. | Check if the ion outlet is blocked. | Clean the air filter if it is dirty. |
| Noise is coming out from the product. | Check if the ion outlet is blocked. | Remove any obstacles blocking the ion outlet. |
| | This product has small sized fan therefore small noise can be heard and it is normal. (However, if the ion outlet for air filter is blocked, back flow air within the product may cause overload on the fan motor and cause loud noise. You must be cautious since that may damage the product.) | |



Product specification

| | | |
|------------------------------------|--------------------------|---------|
| Model name | SP-V/A8 | SP-I/A8 |
| Dimension (Width*Length*Height) | 400 x400 x75 [mm] | |
| Rated voltage | DC 12V exclusive adapter | |

Due to ongoing improvement of the product, specification and design may change without prior notice.

VIRUS ZERO

Product warranty is
for 1 year

About warranty service

VirusZero Co., Ltd. provide warranty service according to following guideline stated below. When the product repair is required, where to buy, will provide warranty service and the detail status of the product will be notified within 7days and the refund or product exchange will be done within a 14 days from repair request.

| | | |
|-------------------|------------|------------|
| Product Name | Model Name | |
| Date of Purchase | . | Serial No. |
| Place of Purchase | . | Price |

If the product is used in commercial place, warranty period will be shortened by half.

| Free warranty service | | Paid service | |
|---|---|---|---|
| ■ Type of defects or trouble | Within warranty period | After warranty expires | When the product is not defected ■ Re-installation is required due to false installation by installation agency or repair doesn't require disassembling. ■ When the product requires internal cleaning and re-installation due to moving, false installation or other reasons. When the defects is caused by user ■ Defects caused by careless handling or improper repairing and modification. ■ Defects caused by using improper power supply. ■ Defects caused by repairs done at a place other than the Virus Zero Co., Ltd. ■ Defects or damages resulting from dropping the product. ■ Defects caused by using accessories not provided by Virus Zero Co., Ltd. ■ Defects caused by not following the 'Safety information' on the user manual Others ■ Defects resulting from natural disasters such as fire, earthquake, flood, etc. ■ Expiry of life time of consumable parts (filters etc.) |
| When the product shows performance or functional failure within the part service period. | | | |
| ■ Critical performance and functional failure within 10 days from purchasing the product | Exchange or refund | N/A | |
| ■ Critical performance and functional failure within a month from purchasing the product | Exchange or free repair | N/A | |
| ■ Defect occurred during shipping or installation | Exchange | N/A | |
| ■ Critical performance and functional failure within a month from product exchange | Refund | N/A | |
| ■ When product exchange is impossible | Refund | N/A | |
| ■ When same failure occurred twice | Free repair | Paid service | |
| ■ When same failure occurred three times | Exchange or refund | Paid service | |
| ■ When different failures occurred five times | Exchange or refund | Paid service | |
| ■ When the product is lost during repair service | Exchange or refund | Refund the price deducted by the depreciation amount and added by its 10% | |
| If the product defect is caused by user | | | |
| ■ When the product repair is impossible because parts are not in stock within the part service period | Exchange or refund | Refund the price deducted by the depreciation amount and added by its 10% | |
| ■ When repair is impossible even though the parts are available | Refund after equivalent repair service fee is charged | Refund the price deducted by the depreciation amount after equivalent repair service fee is charged | |
| ■ When the product repair is possible | Paid service | Paid service | |
| ※ Service fee will be charged if the product repair is requested when the product is not defected. | | | |

Manufacturer : VIRUS ZERO USA
Device provider : Samsung Electronics Co., Ltd.

VIRUS ZERO

Customer Service Center
Where to buy Contact Us 714-530-5791
Let us know the product model, problem and the contact information. We will try to provide you with the fast and satisfying solution.

www.viruszerousa.com



S-Plasma ion

SP-WA8 / SP-IA8
User Guide Book

